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ABSTRACT

2 A hydrostatic measurement module senses elevation  
relative to a fluid reservoir under a reference pressure. The  
4 measurement module further includes a plurality of functions  
and modes. A zero function sets the display to zero at any  
6 selected benchmark elevation. One function allows the  
invention to measure heights and elevations beyond its  
8 physical reach. A hold function freezes stable display  
values. A mark function sets upper/lower limit tones  
10 described in the existing patent. A record function allows a  
large number of measurements to be taken for real-time  
12 calculation and display of average, minimum and maximum  
values. A scale function can be used to select one of five  
14 display scales. A resolution function permits more rapid  
readings at lower precision. A temperature function displays  
16 ambient temperature. A record data function is used to  
accumulate 135 or more individual data points within the  
18 measurement module or to download data as it is taken to a  
computer. such as a pocket personal computer (PC). An  
20 inspect/dump function allows downloading of stored recorded  
data to a PC, or inspection of stored data as a function of  
22 sequence and position. An elevation function can be used to  
display any desired elevation to make readings easier to  
24 correlate to drawings drafted in elevation relative to sea  
level.

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